



UMODPC



# Seaport Operations

612-400



# References



FM 55-65, *Strategic Deployment*

FM 100-17, *Mobilization, Deployment,  
Redeployment and  
Demobilization*

FORSCOM/ARNG 55-1, *Unit Movement  
Planning*



# US Transportation Command

- USTRANSCOM (USTRANSCOM) provides sea transportation assets through transportation component commands MTMC & MSC





# Military Sealift Command (MSC)



- MSC provides common user sealift transportation services through MSC fleet & commercially contracted carriers.
- Under USTRANSCOM / DOD directive, MSC assumes operational control of:

Navy Reduced Operational Fleet

Maritime Ready Reserve Force

National Defense Reserve

Fleet





# Vessel Types

- RO/RO Vessels



Best suited for loading  
& off-loading of rolling  
stock  
Preferred for initial  
movement of pre-  
positioned & surge  
cargo  
Spacious interiors  
allow easy  
maneuvering  
Fast turn around  
time



# Vessel Types (Cont)



- Fast Sealift Ships



Fastest cargo  
carrying vessel

Over 900 ft long

Heavy lift  
capability

Self-sustaining



# Vessel Types (Cont)



- Container Ships



Greatest  
cargo  
capacity  
Not optimal  
for moving  
all military  
cargo





# Vessel Types (Cont)



- Breakbulk Vessels



Able to handle  
most military  
cargo on open  
decks or in  
multiple cargo  
holds  
Labor  
intensive to  
load & unload





# Military Traffic Management Command (MTMC)

- DOD single traffic manager for military cargo surface movements
- Responsible for all CONUS surface movements and common-user SPOE's for unit movements





# MTMC (Cont)



- MTMC's SPOE related duties & responsibilities
  - Selecting the SPOE & coordinating vessel nominations with MSC
  - Developing vessel stow plans and supervising vessel loading
  - Preparing & issuing port call messages
  - Informing units' supporting commands & installations of all port calls issued





# MTMC (Cont)



- Duties & responsibilities (Cont)
  - Directing PSA functions & activities
  - Receiving & staging unit equipment (PSA-specific task)

Establishing & directing port communications, safety policies & physical security procedures

Regulating port traffic





# Transportation Terminal Brigade (TTB)



- TTBs are reserve units that provide MTMC with capability to expand number of ports available
- Responsible for monitoring DOD commercial contract cargo movements including unit equipment, re-supply, & retrograde shipments
- Uses existing port facility infrastructure and contract stevedores



# Transportation Terminal Brigade (Cont)



- Key TSB capabilities and responsibilities:

Operate 2 - 5 port berths

Receive, load, discharge & transship unit cargo

Prepare and update vessel stow plan

Enter equipment & cargo receipt data into automated systems

Perform liaison with deploying units



# Port Support Activity (PSA)

- The PSA is a temporary military organization that assists the Port Commander  
Within CONUS, designated installations provide PSAs  
In overseas areas Area Support Groups (ASG) normally provide PSA support  
Deploying units do not normally man or operate PSAs





# Port Support Activity (Cont)



- PSA is tailored & unique to each port  
Operates in direct support of the port commander  
Primary mission is ensuring deploying unit equipment is prepared for vessel loading, and operating unique equipment in port area  
PSA operates almost exclusively in the port staging area



# PSA Organization



- PSA Organization based on type of equipment processing through port.  
Normally includes:
  - Qualified personnel to handle the physical security of classified equipment & cargo
  - Personnel with unique equipment operator skills
  - Maintenance personnel to correct deploying equipment deficiencies



# PSA Functions



- Typical PSA functions in support of deploying units normally include:
  - Receiving, inspecting & documenting deploying equipment
  - Staging unit equipment in staging area
  - Correcting improperly secured loads and equipment configuration deficiencies
  - Operating equipment / vehicles



# PSA Functions (Cont)

- PSA functions (Cont)

Providing backup organizational & limited DS maintenance capability

Providing physical security for staged military cargo

Moving deploying unit equipment according to the port traffic plan



# PSA Functions (Cont)

- PSA functions (Cont)  
As required, providing recovery and maintenance vehicles, administrative vehicles, ambulances & cleaning equipment  
Assisting with aircraft support operations



# Port Security Detachment (PSD)



- The PSD is a reserve component unit under the command authority of MTMC when mobilized
- The PSD administers the port commander's physical security plan & coordinates with the USCG for an integrated port physical security plan





# Port Security Detachment

- PSD functions include:

Augmenting existing port security force or controlling traffic to include port points of entry.

Providing escort & security for high priority shipments

Coordinating in-transit sensitive and classified physical security requirements

Establishing liaison with area police



# Waterside Security -- USCG



- The US Coast Guard is responsible for all waterside physical security





# Waterside Security -- USCG (Cont)



- Other USCG duties include:

Regulating the shipping, handling & pier side storage of hazardous cargo

Interfacing with HN & military authorities on storage & handling of hazards  
Issuing hazardous cargo permits





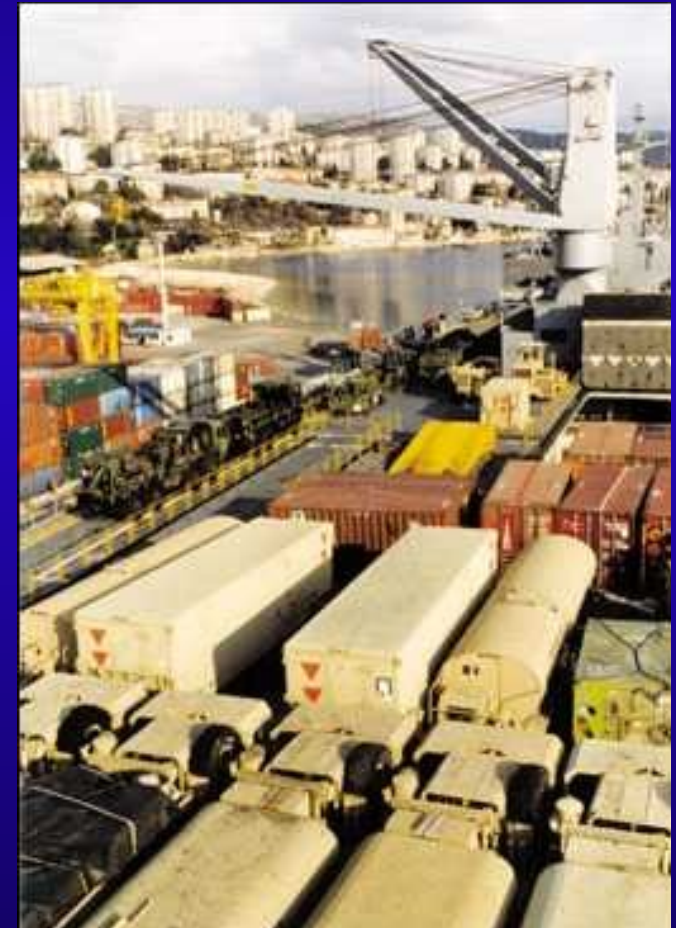
# Seaport of Embarkation Functional Areas



# Seaport of Embarkation (SPOE)

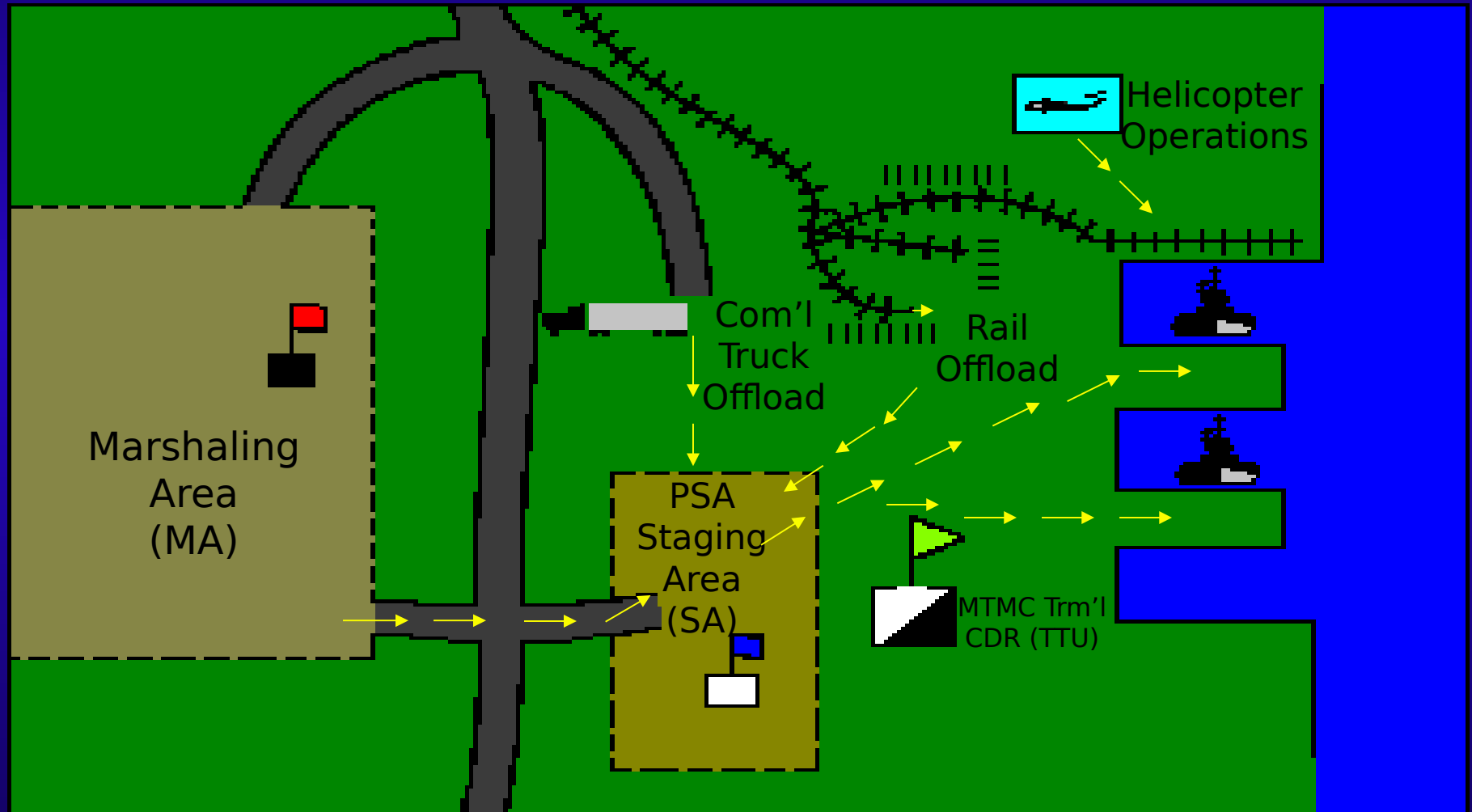


- The loading & discharging of vessels is dedicated to rapid, efficient & controlled movement of cargo between ship & shore.





# Notional SPOE







# SPOE Marshaling Area



- Unit's final preparation location prior to entering POE port staging area

Ideally located near port staging area & vicinity of truck/rail discharge sites

Units inspect, reconfigure and prepare their equipment for movement to the staging area

In CONUS, supporting installations provide logistics support to units in marshaling area



# Marshaling Area Layout

- There is no set organization or physical layout for an SPOE marshaling area
- Marshaling areas organized to prepare units for entry into port staging area





# Marshaling Area Layout (Cont)

- The marshaling area design should:
  - Have a reception & assembly area
  - Reduce container & cargo-handling requirements
  - Permit a logical flow of vehicles, containers & cargo through to the terminal



# Notional Marshaling Area

## MARSHALING AREA OPERATIONS

### INPROCESSING AREA

- SAFETY/SECURITY OF EQUIPMENT BRIEFING
- MESSING/BILLETING
- POL
- MAINTENANCE
- MEDICAL SUPPORT
- TRANSPORTATION

### MUSTER AREA

- REDUCE VEHICLES TO SPECIFIED SHIPPING CONFIGURATION
- VEHICLE INSPECTION
- FUEL LEVEL
- SECONDARY LOAD
- LASHING SECURITY
- MAINTENANCE
- DOCUMENTAION UPDATE
- VEHICLE KEY CONTROL
- SECURITY MEASURES

CONVOYS

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

WEIGH STATION  
SCANNING AREA  
HOLD AREA

INPROCESSING

FRUSTRATED/  
HAZARDOUS  
AREA

UNIT MUSTER AREA

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

TO PORT AREA

(CALL FORWARD AREA/PORT STAGING AREA)

### FRUSTRATED/HAZARDOUS/ SENSITIVE CARGO AREA

- FRUSTRATED CARGO
- HAZARDOUS CARGO
- SENSITIVE CARGO

### FRUSTRATED CARGO

- NO LOGMARS LABEL
- WRONG LABEL
- UNREADABLE LABEL
- ANYTHING PREVENTING DEPLOYMENT

### HAZARDOUS CARGO

- CERTIFICATION
- PROPER STORAGE
- PROPER PLACARDS

### SENSITIVE CARGO

- IDENTIFICATION
- PROPER DOCUMENTATION
- PROPER SECURTIY STORAGE



# Marshaling Yards



- SPOEs marshaling areas may have designated marshaling yards
- In marshaling yards, cargo is subdivided into a number of categories, most commonly:

(breakbulk)

Containerized

Roll-on/roll-off

Special (oversize, heavy lift, hazardous & security) cargo





# Marshaling Area Functions

- In general, marshaling areas should provide for the following functions and facilities:

A central control & inspection point with multiple lanes for vehicles & containers entering or leaving the marshaling yard

Security area for breakbulk, containerized sensitive, classified & high-dollar-value cargo





# Marshaling Area Functions (Cont)

- Marshaling area functions and facilities (Cont):
  - Sheltered facilities for inventory control, documentation & movement control elements
  - Covered facilities for stowing containers & cargo
  - Traffic circulation plan for movement in, through and out of the area



# Marshaling Area Functions (Cont)

- Marshaling area functions and facilities  
(Cont):
  - Minor repair areas for containers & equipment
  - Cleaning area for containers & vehicles
  - Maintenance area for unit equipment
  - Equipment and vehicle parking/staging
  - Messing and comfort facilities



# Port Staging Area



- As the vessel readies for loading, equipment is sent from the marshaling area to the staging area based on a call forward plan





# Port Staging Area (Cont)

MTMC terminal commander assumes custody of cargo in the staging area

PSA performs its functions

Equipment is loaded onto the vessel





# Unit Responsibilities for SPOE Operations



# Unit Responsibilities -- Home Station

- Unit Preparation for sealift begins at home station
- Equipment & documentation preparation completed (to extent possible) prior to departing for SPOE
  - Vehicles moving by convoy & rail to SPOE must be reconfigured for sealift
- Proper HS preparation reduces port processing problems





# Unit Responsibilities -- Deployment Equipment List

- Unit DEL must be accurate

(*EXCERPTS FROM*) AUEL REPORT - UNIT EQUIPMENT LIST																
Date: 18 JAN 95 TIME: 08:00 UIC: WWWWWW TYPEDATA: MD UNIT NAME: XTH TRANS CO STATION: FTEUSTIS STATE: VA																
SHIPMT UNIT NUMBER	E C H	IND	SHIPMENT UNIT DESCRIPTION	MODEL	B#	DIMENSIONS (INCHES)			ITEM	PLANNED LOADED	ACTUAL LOADED	TP	COMM	M	CGO	
						LGTH	WDTH	HGTH	CUFT	WT LBS	WT LBS	WEIGHT	PK	CODE	E	CAT
D0017		840009	01 TRUCK CARGO 2 1/2 T	M35A2	A17	265	106	113	1837	18180	13180	18180	VO	86729	U	R1DB
D0018		840009	01 TRUCK CARGO 2 1/2 T	M35A2	A18	265	106	113	1837	18180	13180	18180	VO	86729	U	R1DB
D0026		159278	01 TRK CARGO 10T 8X8	M977	A26	401	140	112	3639	58800	47160	58800	VO	88214	U	R1DC
A			AMMO .60CAL 8 BELOW	PCS-	2								PC	68014		
D0033		191656	01 TRUCK TRACTOR 6X6	M916	A33	299	123	144	3065	27320	27320	27320	VO	88229	U	R1DC
D0034		161103	01 TRUCK TRACTOR 6X4	M915	A34	269	123	131	2509	18621	18621	18621	VO	88229	U	R1DB
D0043		852810	01 TRK LIFT FRK RT 2T	4000LB	A43	208	80	90	867	9180	9180	9180	VO	89129	U	A2DA
D0044		852810	01 TRK LIFT FRK RT 2T	4000LB	A43	208	80	90	867	9180	9180	9180	VO	89129	U	A2DA
D0045		852810	01 TRK LIFT FRK RT 2T	4000LB	A43	208	80	90	867	9180	9180	9180	VO	89129	U	A2DA
D0046		W95811	01 TRAILER CARGO 1 1/2 T	M105A2	A17T	166	83	98	782	5670	2670	2670	VE	89229	U	R2DA
D0057		570159	07 STL FLATBED 34T	M872A1	A34T	490	96	148	4029	86490	27670	27670	VE	89329	U	R2DJ
A			TRK LIFT FRK RT 2T	PCS-	3								VO	89129		
F0001		YA0098	09 AMMO .60CAL 8 BELOW	4500 LBS		108	88	93	512	4830	4830	4830	PC	68014	U	M2DA
F0002		YA0098	07 AMMO .60CAL 8 BELOW	3500 LBS		108	88	73	402	3830	3830	3830	PC	68014	U	M2DA

Arriving at SPOE with more or less  
equipment than reflected on DEL can  
delay deployment!





# Unit Responsibilities

## -- Hazardous Cargo



- Hazardous cargo must be prepared & labeled IAW CFR 49 *before* it is loaded for movement
- Hazardous material must be identified & properly packaged, marked & annotated on shipping and load documents
- Improperly prepared hazardous cargo can delay shipping & cause mission failure





# Unit Responsibilities -- Unit Liaison Team



- Deploying unit may establish a unit liaison team to facilitate movement through the port
- Team reports prior to unit arrival to establish liaison with port commander representative and PSA
- Team clarifies port processing procedures and directs unit correction of vehicle, cargo, and documentation deficiencies



# Unit Responsibilities -- SPOE Checks & Considerations

- Final checks & considerations at the SPOE include:

Is equipment correctly configured for sealift?

Has all unit cargo documentation been completed? (MSLs, packing lists, load cards)

Has all hazardous cargo been properly labeled & stored according to CFR 49 and IMDGC?



# Unit Responsibilities -- SPOE

## Checks/Considerations

- Final checks & considerations (Cont)

Has coordination with the TTB and PSA been accomplished?

Has return transportation been arranged for vehicle drivers and other unit personnel processing equipment at the port?

Have supercargoes been identified & briefed?



# Unit Responsibilities -- SPOE

## Checks/Considerations

- Final checks & considerations  
(Cont)  
(Cargo, cargo) & vehicles staged in marshaling area according to loading sequence?  
Has the call forward plan to staging area been established?  
Have all vehicle & cargo deficiencies been corrected?



# Units Responsibilities -- Supercargoes



- Deploying unit may require supercargoes during strategic sealift of unit equipment

Supercargoes are unit soldiers aboard vessel who accompany equipment during transit  
Supercargoes are the deploying unit commander's on-board representative



# Units Responsibilities -- Supercargoes

- Supercargo Responsibilities: (Cont)

Making periodic checks of unit cargo on-board the vessel  
Maintaining key control of vehicles  
Making necessary repairs within team capabilities  
Observing & assisting in cargo loading/discharge







# Unit Responsibilities

## -- Supercargoes

- Supercargo team (Size) dependent on:  
Number of vessel berths available  
Number and type of vehicles aboard the vessel
- When multiple units deploy equipment aboard a single vessel, FORSCOM or other designated command determines supercargo allocation



# Unit Responsibilities -- Supercargoes

- Supercargo team (Cont)  
generally consists of:

OIC or NCOIC

Selected maintenance personnel  
Classified/sensitive cargo  
escorts





# Unit Responsibilities --Customs

- Personnel & unit equipment departing CONUS via sealift may require a pre-customs clearance inspection
- Pre-customs inspections are normally conducted by military police
- Customs officials may not open classified material without US government approval



# Unit Responsibilities --Customs (Cont)

- DD Form 1253 (Military Customs Inspection Label) or DD Form 1253-1 (Military Customs Inspection Tag) provides documentary proof of pre-inspection
- Once cargo & vehicles have been inspected by Customs, items cannot be added or deleted